

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|---|--------------------------------|------------------|---------|------------------|
| L1 | 24 | ("5359273" "5689168" "5870035" "4023887" "4634845" "5963145" "6369924" "6462328" "6507022" "6528808" "6530784").pn. | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/13 10:10 |
| L2 | 2 | "5870035".pn. | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/13 10:12 |
| L3 | 1475 | (vacuum adj2 fluorescent adj2 display) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/13 10:13 |
| L4 | 0 | 3 and (optical adj2 communication) and appliance | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/13 10:13 |
| L5 | 4 | 3 and (optical adj2 communication) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2005/05/13 10:13 |
| S1 | 1154 | appliance same control same panel | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:08 |
| S2 | 418 | (appliance same control same panel) and display | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/05 15:45 |
| S3 | 96 | ((appliance same control same panel) and display) and (diagnostic operation) and indicator | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/05 15:45 |
| S4 | 23 | ((((appliance same control same panel) and display) and (diagnostic operation) and indicator) and optical | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/05 15:45 |
| S5 | 1 | "6587739".URPN. | USPAT | OR | OFF | 2004/04/05 15:48 |
| S6 | 16 | ("5051720" "5247282" "5321229" "5402115" "5491463" "5565855" "5579221" "5623256" "5833362" "5842032" "5894479" "5905442" "6007236" "6175860" "6182094" "6507762").PN. | USPAT | OR | OFF | 2004/04/05 15:48 |
| S7 | 8 | "4743820".URPN. | USPAT | OR | OFF | 2004/04/05 15:52 |
| S8 | 2 | "4330174".URPN. | USPAT | OR | OFF | 2004/04/05 15:54 |
| S9 | 17 | appliance and diagnostic and (optical adj2 communication) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 10:38 |
| S10 | 6 | (appliance and diagnostic and (optical adj2 communication)) and led | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 10:39 |

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| S11 | 8 | appliance and diagnostic and technician and (optical same connection) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:11 |
| S12 | 1 | (dishwasher same (control adj2 panel) same diagnostic) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:11 |
| S13 | 15 | "4628443".URPN. | USPAT | OR | OFF | 2004/04/07 14:12 |
| S14 | 8 | "5182755".URPN. | USPAT | OR | OFF | 2004/04/07 14:14 |
| S15 | 84 | appliances and (diagnostic adj2 (connect\$4 interface tool)) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:28 |
| S16 | 25 | (appliances and (diagnostic adj2 (connect\$4 interface tool))) and (malfunction) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:28 |
| S17 | 8 | ((appliances and (diagnostic adj2 (connect\$4 interface tool))) and (malfunction)) and optical | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:29 |
| S18 | 46444 | optical adj2 communication | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:30 |
| S19 | 31 | (optical adj2 communication) and (diagnostic same tool) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:30 |
| S20 | 6 | ((optical adj2 communication) and (diagnostic same tool)) and (data adj2 transfer) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:35 |
| S21 | 781 | ((optical adj2 communication) same led) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:35 |
| S22 | 266 | ((optical adj2 communication) same led)) and (transmit\$4 same receiv\$4) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 14:36 |
| S23 | 16 | ((optical adj2 communication) same led)) and (transmit\$4 same receiv\$4)) and diagnostic | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 15:32 |
| S24 | 0 | "5777893".URPN. | USPAT | OR | OFF | 2004/04/07 14:40 |
| S25 | 0 | "5777893".URPN. | USPAT | OR | OFF | 2004/04/07 14:40 |
| S26 | 6 | ("4398172" "4430636" "4472706" "4566008" "4680717" "5512891").PN. | USPAT | OR | OFF | 2004/04/07 14:40 |
| S27 | 647 | 356/342 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 15:32 |
| S28 | 9 | 356/342 and (diagnostic adj2 tool) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 15:34 |

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| S29 | 186 | 356/219 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 15:34 |
| S30 | 3 | 356/219 and diagnostic and (interface align\$ \$connect) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 15:35 |
| S31 | 5 | ("5459594" "6459485" "6556284" "6559826" "6590643").PN. | USPAT | OR | OFF | 2004/04/07 15:35 |
| S32 | 9 | "359"/\$4 and (diagnostic same tool same communication) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 15:52 |
| S33 | 11 | (appliances washer) and (diagnostic same tool same communication) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 16:00 |
| S34 | 2 | appliances and photocouplers and communication and external | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 16:02 |
| S35 | 4 | appliances and photocouplers and communication | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 16:03 |
| S36 | 1 | appliances and photocouplers and diagnostic | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 16:03 |
| S37 | 20 | photocouplers and diagnostic | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/04/07 16:04 |
| S38 | 2 | "4765161".pn. | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 10:16 |
| S39 | 16 | 340/539.24 | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 10:18 |
| S40 | 181 | appliance and diagnostic and optical and (communication (data adj2 transfer)) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 10:19 |
| S41 | 165 | (appliance and diagnostic and optical and (communication (data adj2 transfer))) and operation | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 10:19 |
| S42 | 48 | ((appliance and diagnostic and optical and (communication (data adj2 transfer))) and operation) and functioning | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 14:45 |
| S43 | 16597 | optical same data same communication | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 14:45 |
| S44 | 235 | (optical same data same communication) and appliances | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 14:52 |

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| S45 | 11 | ((optical same data same communication) and appliances) and (control adj2 panel) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 14:48 |
| S46 | 4 | "5345230".URPN. | USPAT | OR | OFF | 2004/05/07 14:47 |
| S47 | 26 | ((optical same data same communication) and appliances) and diagnostic | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 14:48 |
| S48 | 11 | ((optical same data same communication) and appliances) and (washer dryer) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 15:45 |
| S49 | 18135 | optical adj2 coupling | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 15:45 |
| S50 | 76 | (optical adj2 coupling) and appliances | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 15:45 |
| S51 | 0 | ((optical adj2 coupling) and appliances) and (diagnostic same data same transfer) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 15:45 |
| S52 | 9 | ((optical adj2 coupling) and appliances) and diagnostic | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/05/07 15:46 |
| S53 | 1465 | appliance and ((optical infrared) same communication) and (diagnostic operation) | USPAT; EPO; JPO; DERWENT | OR | ON | 2004/05/10 13:48 |
| S54 | 378 | (appliance and ((optical infrared) same communication) and (diagnostic operation)) and transceiver | USPAT; EPO; JPO; DERWENT | OR | ON | 2004/05/10 13:48 |
| S55 | 33 | ((appliance and ((optical infrared) same communication) and (diagnostic operation)) and transceiver) and (control adj2 panel) | USPAT; EPO; JPO; DERWENT | OR | ON | 2004/05/10 13:48 |
| S56 | 48 | (communication communicating) and appliance and ((light adj2 emitting adj2 diode) led) and driver and blink\$ | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/10 17:02 |
| S57 | 12 | ("4386436" "4746919" "4904993" "4916532" "5227780" "5383044" "5500691" "5659883" "5675395" "5815086" "6069672" "6097520").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2004/11/10 17:14 |
| S58 | 610 | diagnostic and (communication communicating) and ((light adj2 emitting adj2 diode) led) and driver and indicator and detector | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/10 17:15 |

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| S59 | 602 | S58 and operation | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/10 17:16 |
| S60 | 302 | S59 and coupling | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/10 17:16 |
| S61 | 300 | S60 and data | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/10 17:17 |
| S62 | 69 | S61 and (transmit same light) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/10 17:17 |
| S63 | 50393 | optical adj2 communication | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/12 17:24 |
| S64 | 3213 | S63 and led | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/12 17:24 |
| S65 | 121 | S64 and transmit and diagnostic and (data information) | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/12 17:24 |
| S66 | 41 | S65 and coupler | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/12 17:24 |
| S67 | 68 | ("5359273" "5689168" "5870035" "4329684" "4633522" "4773032" "4907250" "4920948" "4941205" "4957348" "5043860" "5122893" "5285375" "5306995" "5321229" "5378874" "5412291" "5587795" "5611327" "5627727" "5647231" "5666274" "5710409" "5746114" "5839097" "5861968" "5875430" "5914796" "5963145" "6080972" "6137095" "6198079" "6256378" "6449515").pn. | USPAT; EPO; JPO; DERWENT | OR | OFF | 2004/11/16 09:36 |